
WEEE Warning Message

Symbol for Separate Collection in European Countries

This symbol indicates that this product is to be collected separately.

The following apply only to users in European countries:

- This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.



FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1). This device may not cause harmful interference, and
- (2). This device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.



Product Information

1. Product design and specifications are subject to change without notice. This includes primary product specifications, software, software drivers, and user's manual. This User Manual is a general reference guide for the product.
2. The product and accessories that come with your camera may be different from those described in this manual. This is due to the fact that different retailers often specify slightly different product inclusions and accessories to suit their market requirements, customer demographics, and geographical preferences. Products very often vary between retailers especially with accessories such as batteries, memory cards, cables, carrying cases/pouches, and language support. Occasionally a retailer will specify a unique product color, appearance, and internal memory capacity. Contact your dealer for precise product definition and included accessories.
3. The illustrations in this manual are for the purpose of explanation and may differ from the actual design of your camera.
4. The manufacturer assumes no liability for any errors or discrepancies in this user manual.
5. For driver updates, you can check the "Download" section of our website, www.geniusnet.com

SAFETY INSTRUCTIONS

Read and understand all **Warnings** and **Cautions** before using this product.

Warnings

- | | |
|--|---|
| <p>■ If foreign objects or water have entered the camera, turn the power OFF and remove the batteries.</p> <p>Continued use in this state might cause fire or electric shock. Consult the store of purchase.</p> |  |
| <p>■ If the camera has fallen or its case has been damaged, turn the power OFF and remove the batteries.</p> <p>Continued use in this state might cause fire or electric shock. Consult the store of purchase</p> |  |
-

■ Do not disassemble, change or repair the camera.

This might cause fire or electric shock. For repair or internal inspection, ask the store of purchase.



■ Do not use the camera in areas near water.

This might cause fire or electric shock. Take special care during rain, snow, on the beach, or near the shore.



■ Do not place the camera on inclined or unstable surfaces.

This might cause the camera to fall or tilt over, causing injury.



■ Keep the batteries out of the reach of children.

Swallowing batteries might cause poisoning. If the battery is accidentally swallowed, immediately consult a physician.



■ Do not use the camera while you are walking, driving or riding a motorcycle.

This might cause you to fall over or result in traffic accident.



Cautions

■ Insert the batteries paying careful attention to the polarity (+ or -) of the terminals.

Inserting the batteries with its polarities inverted might cause fire and injury, or damage to the surrounding areas due to the battery rupturing or leaking.



■ Do not fire the flash close to anyone's eyes.

This might cause damage to the person's eyesight.



■ Do not subject the LCD monitor to impact.

This might damage the glass on the screen or cause the internal fluid to leak. If the internal fluid enters your eyes or comes into contact with your body or clothes, rinse with fresh water.

If the internal fluid has entered your eyes, consult a physician to receive treatment.



■ A camera is a precision instrument. Do not drop it, strike it or use excessive force when handling the camera.

This might cause damage to the camera.



■ Do not use the camera in humid, steamy, smoky, or dusty places.

This might cause fire or electric shock.



■ Do not remove the battery immediately after long period of continuous use.

The battery becomes hot during use. Touching a hot battery might cause burns.



■ Do not wrap the camera or place it in cloth or blankets.

This might cause heat to build up and deform the case, resulting in fire. Use the camera in a well-ventilated place.



■ Do not leave the camera in places where the temperature may rise significantly, such as inside a car.

This might adversely affect the case or the parts inside, resulting in fire.



■ **Before you move the camera, disconnect cords and cables.**

Failure to do this might damage cords and cables, resulting in fire and electric shock.



Notes on Battery Usage

When you use the battery, carefully read and strictly observe the ***Safety Instructions*** and the notes described below:

- Different battery types and surrounding temperatures may affect the battery performance.
- Avoid using batteries in extremely cold environments as low temperatures can shorten the battery life and reduce camera performance.
- The battery may feel warm when using the camera for an extended period of time or using the flash continuously. This is normal and not a malfunction.
- The digital video camera may feel warm when being used continuously or for an extended period of time. This is normal and not a malfunction.
- If you will not be using the batteries for an extended period of time, remove them from the camera to prevent leakage or corrosion.
- Always keep the terminals in a clean state.
- Never use manganese batteries.
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.

CONTENTS

INTRODUCTION	8
FEATURES	8
UNPACKING	8
ABOUT THE CAMERA	9
FRONT VIEW	9
REAR VIEW	9
TOP VIEW	10
BOTTOM VIEW	10
RIGHT VIEW	11
LEFT VIEW	11
GETTING STARTED	13
INSERTING THE BATTERY	13
INSERTING AN SD CARD	14
TURNING ON THE CAMERA	14
CHANGING MODES	15
BEFORE YOU START	15
Setting the date and time	15
Setting the Language	16
TAKING A STILL PICTURE	16
SHOOTING MOVIES	16
VOICE RECORDING	16
CONNECTIONS	17
Connecting to a TV	17
Connecting to a PC	17
Connecting to a printer	18
USB MODE	18
USING THE CAMERA	19
USING THE CAMERA LCD DISPLAY	19
ABOUT THE LEDs	19
PHOTO MODE	20
SELF-TIMER	20

ICONS	20
USING THE FLASH	22
USING THE MACRO FUNCTION	23
Using the zoom function	23
PHOTO MENU	23
White Balance	23
Quality	24
Exposure Value	24
Effect	25
Size	25
POSSIBLE NUMBER OF SHOTS (STILL IMAGE)	26
PHOTO PLAYBACK	26
Photo playback icons	26
Using photo playback	27
Using the Zoom function	27
Thumbnail View	28
PHOTO PLAYBACK MENU	28
Delete/Delete all Images	28
Protecting Images	29
Autoplay	31
DPOF	31
MOVIE MODE	33
USING MOVIE MODE	33
ICONS	33
MOVIE MENU	34
White Balance	34
Quality	34
Exposure Value	34
POSSIBLE RECORDING TIME / SEC (VIDEO CLIP)	34
MOVIE PLAYBACK	35
Movie playback icons	35
Using movie playback	36
MOVIE PLAYBACK MENU	36
Delete/Delete All Movies	36

Protecting Movie Files _____	36
VOICE MODE _____	37
USING VOICE MODE _____	37
VOICE PLAYBACK _____	37
Voice playback icons _____	37
Using voice playback _____	38
VOICE PLAYBACK MENU _____	38
Delete/Delete All Audio Files _____	38
Protecting Audio Files _____	38
CONFIGURING YOUR CAMERA _____	39
CAMERA SETUP _____	39
Format _____	39
Default _____	39
Auto Power Off _____	40
Setting the language _____	40
TV Standard _____	40
Frequency _____	41
Setting the date and time _____	41
SYSTEM REQUIREMENTS _____	41
INSTALLING SOFTWARE AND DRIVERS _____	42
DRIVERS _____	42
Mass Storage _____	42
Web camera _____	42
BUNDLED SOFTWARE _____	42
Presto! Video Works 6 _____	42
Presto! Mr. Photo 3 _____	43
APPENDIX _____	43
SPECIFICATIONS _____	43
TROUBLESHOOTING _____	45

Introduction

Read this section to learn about the features and functions of the camera. This chapter also covers system requirements, package contents, and front and rear views.

Features

The camera is packed full of features and functions including:

- ☐ True 5.0 Mega Pixel CMOS Digital Camera
- ☐ Digital Video Camera
- ☐ Web Camera
- ☐ Voice recorder
- ☐ Large 3.0" LTPS LCD monitor
- ☐ 16X Digital Zoom
- ☐ SD memory card can support up to 2GB
- ☐ Direct Print

Unpacking

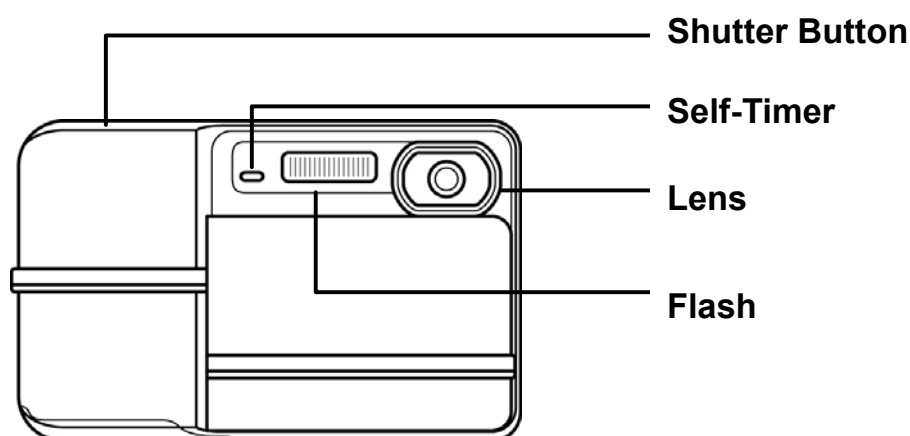
All the following items should be present in the camera package. If any item is missing or appears damaged, contact your dealer immediately.

- ☐ Digital camera
- ☐ CD driver includes:
 - Driver for Windows (USB/Web Cam)
 - Presto! Mr. Photo
 - Presto! VideoWorks
 - Multi-Language User's Manual
- ☐ USB/AV out cable
- ☐ 2X "AA" Alkaline batteries
- ☐ Quick Guide
- ☐ Pouch
- ☐ Strap

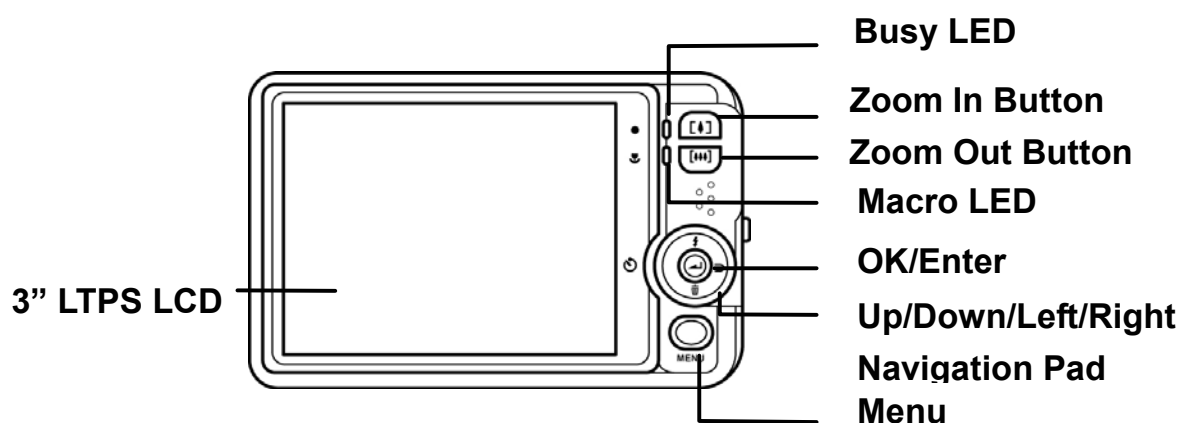
About the camera

Refer to the following diagrams to familiarize yourself with the buttons and controls of the camera.

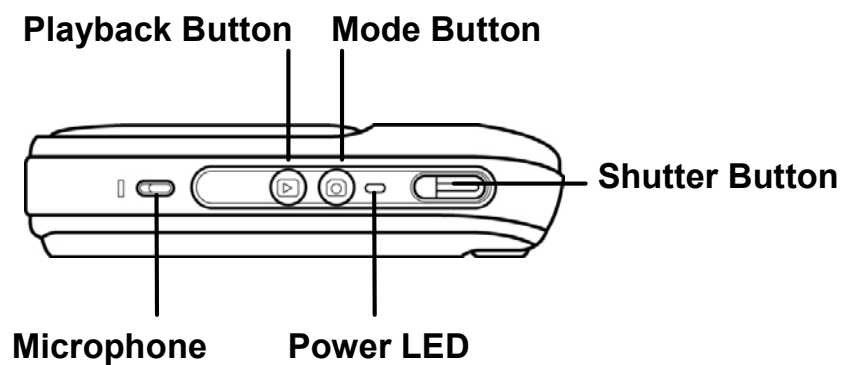
Front view



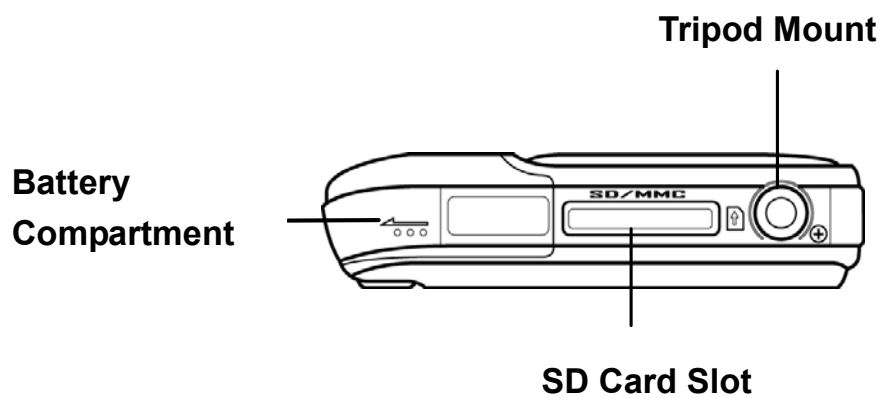
Rear view



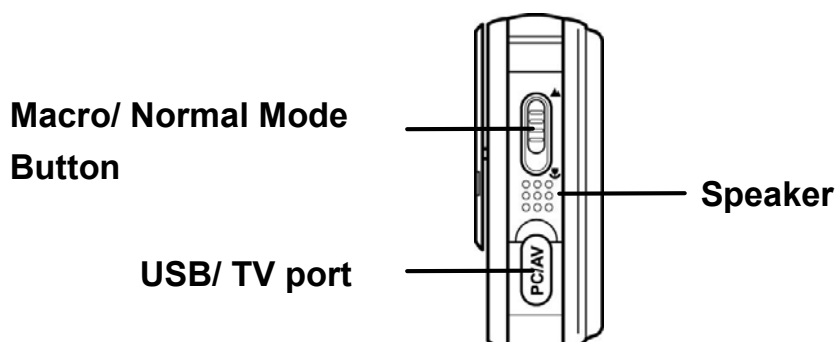
Top view



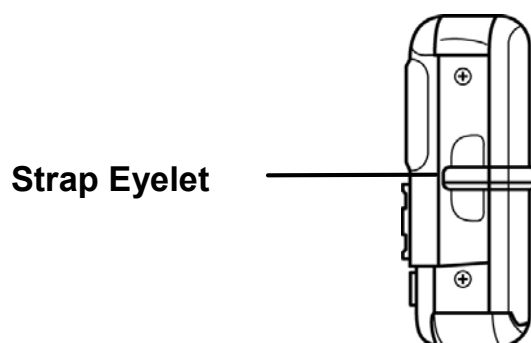
Bottom View





Right view


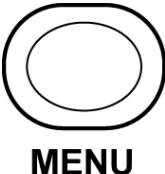


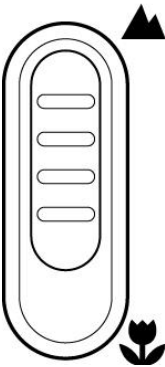


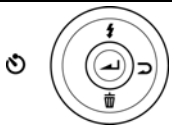
Left view



The following table describes the buttons for this camera.

Button	Name	Function
	Shutter Button	Press the Shutter button to capture a picture in Photo mode, start/stop recording in Movie mode.
	Zoom In Button	Use this button in Photo or Movie mode. Press and hold this button to: <ul style="list-style-type: none"> Enlarge the current view, or the image size in photo Playback mode. You can also adjust the volume in movie/voice Playback mode.

	Zoom Out Button	<p>Use this button in Photo or Movie mode. Press and hold this button to:</p> <ul style="list-style-type: none"> • Reduce still images in photo Playback mode. • Switch to a thumbnail view of all files in photo Playback mode. • Adjust the volume in movie/voice Playback mode.
	Menu Button	<p>Press to display the main OSD Menu.</p>
	Playback Button	<p>Press to view previously captured movies and pictures, or listen to voice recordings.</p>
 	Mode Button Macro Mode Button	<p>Press to select Photo, Movie, or Voice mode.</p> <p>Slide the Macro button towards the “mountain” for normal picture taking Slide the Macro button towards the “flower” to take pictures when the subject is close to the camera.</p>

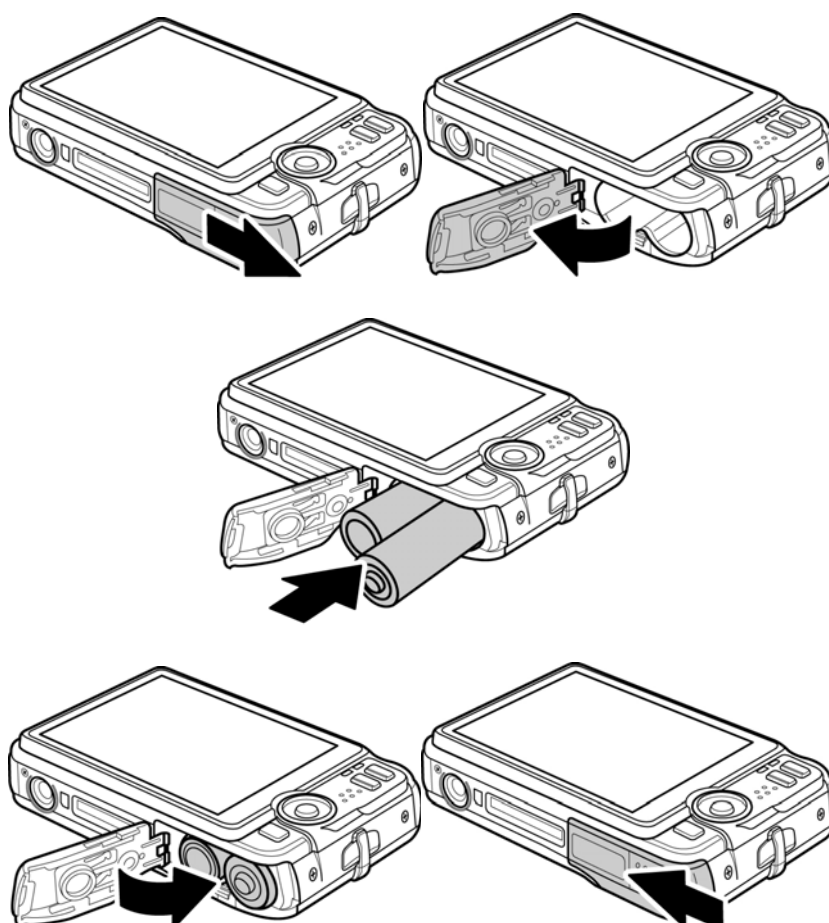
	Navigation Pad	<p>Use to navigate the OSD Menus.</p> <p>In Photo mode, press Up to cycle the flash modes, and press Left to use the self-timer.</p> <p>In Photo/Movie mode. press Right to review the last captured image/movie.</p> <p>In photo/movie/voice Playback mode, press Up to protect the current file, and Down to delete it.</p>
---	-----------------------	---

Getting started

Read this section to learn how to start using the camera.

Inserting the battery

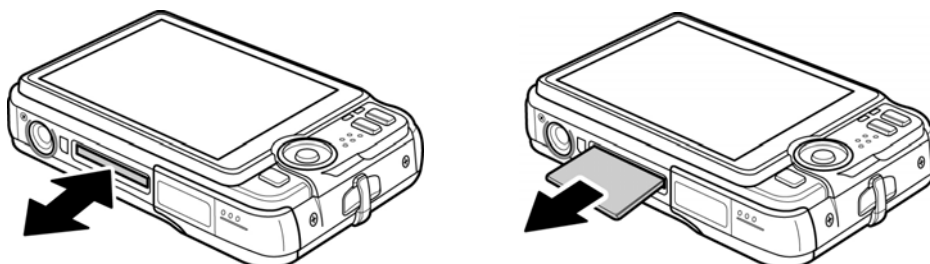
Insert the battery as shown.



Inserting an SD card

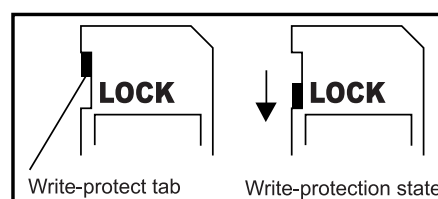
An SD card can be installed in the camera to provide additional storage space for still images, movie clips, or other files.

To install an SD slide in an SD card making sure the gold contacts face the screen.



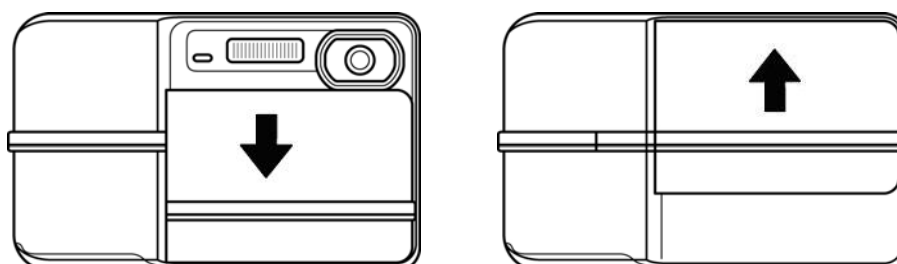
NOTE

- To prevent valuable data from being accidentally erased from an SD memory card, you can slide the write-protected tab (on the side of the SD memory card) to “LOCK”.
- To save, edit or erase data on an SD memory card, you must unlock the card.
- Be sure to format an SD memory card with this digital camera before using it.



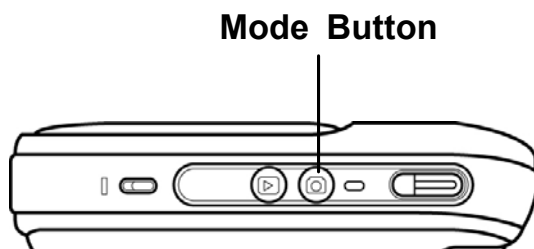
Turning on the camera

Slide the lens cover to reveal the lens assembly. The camera switches on automatically. Slide the cover back to switch off the camera.



Changing modes

The camera can operate in three modes, Photo, Movie, and Voice modes. Use the Mode button to change modes.



Before you start

Before you use your camera there are some basic settings to configure including the time and date, and language.

To learn more about changing camera settings, see "Camera Setup".

Setting the date and time

To set the date and time:

Press the **Menu** button and then press **Left/Right** on the **Navigation Pad** to view the **SETUP** screen.

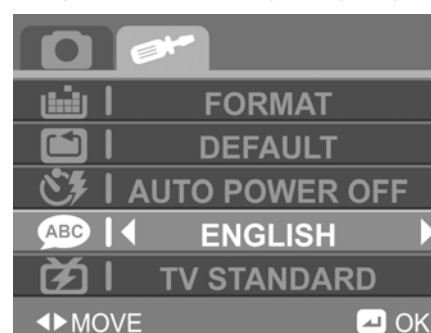
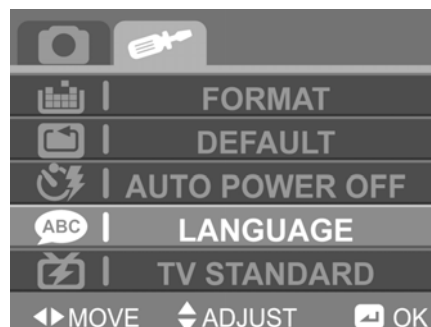
1. Press the **Down** button on the **Navigation Pad** to select **DATE/TIME**, and then press the **OK/Enter** button.
2. The current date and time displays.
3. Press **Left/Right** on the **Navigation Pad** to select the year, month, date, hours, minutes, and seconds fields.
4. Press **Up/Down** on the **Navigation Pad** to adjust the selected field.
5. Press the **OK/Enter** button to confirm and save your settings.
6. Press **Menu** again to exit this screen.



Setting the Language

To set the language:

1. Press the **Menu** button and then press **Left/Right** on the **Navigation Pad** to view the **SETUP** screen.
2. Press the **Down** button on the **Navigation Pad** to select **LANGUAGE**.
3. Press the **OK/Enter** button. The current language is displayed.
4. Press **Left/Right** on the **Navigation Pad** to scroll through the following languages: English, German, Italian, French, Spanish, Turkish, Portuguese, Dutch, Traditional Chinese, Simplified Chinese, Japanese, Russian, Korean, and Arabic.
5. Press the **OK/Enter** button to confirm.
6. Press **Menu** again to exit this screen.



Taking a still picture

To take a still picture:

1. Turn the camera on and select **Photo** mode.
2. Use the LCD screen to frame the scene.
3. Press the **Shutter** button to capture the picture.

Shooting movies

To shoot a movie:

1. Turn the camera on and select **Movie** mode.
2. Use the LCD screen to frame your movie.
3. Press the **Shutter** button to begin recording.
4. Press the **Shutter** button again to stop recording.

Voice recording

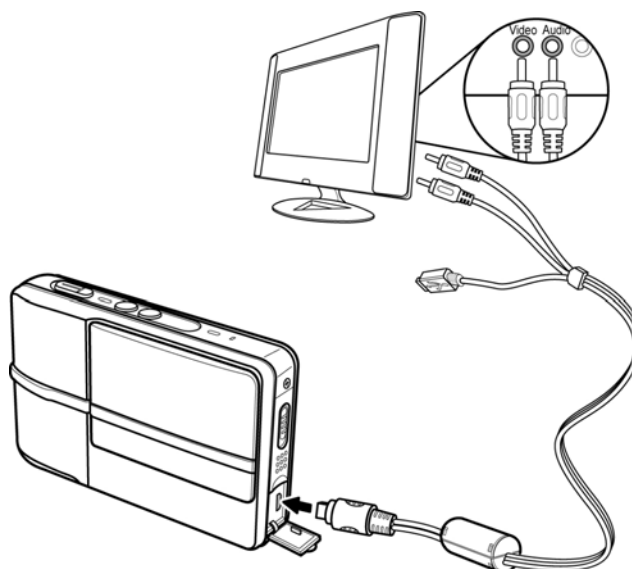
To record voice:

1. Turn the camera on and select **Voice** mode.
2. Press the **OK/Enter** button to begin recording.
3. Press the **OK/Enter** button again to stop recording.

Connections

Connecting to a TV

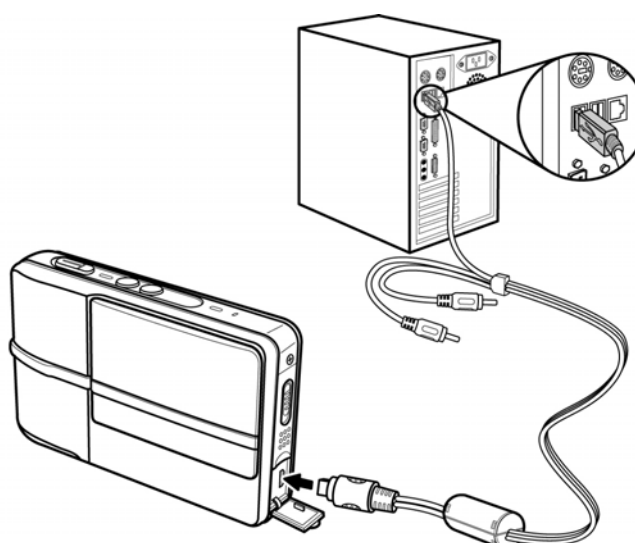
Connect the camera to a TV as shown. You can connect the camera to a TV and view images from the camera on the TV screen.



Connecting to a PC

You can connect the camera to a PC to transfer files or use the camera for web-conferencing (see “USB mode”).

Connect the camera to a computer using the USB port and the USB cable provided as shown.



Connecting to a printer

You can connect the camera to a printer and print images directly from the camera (see “USB mode”). Connect to a printer using the USB cable in exactly the same way, as you would connect a PC.

USB mode

You can use USB mode once connected to a printer or a host PC (see “Connections”). Before connecting to a printer or PC, see “8 Installing software and drivers”.

When connected to a PC or printer the camera LCD displays the following:

1. Web Camera
2. Mass storage: You can drag and drop files to and from the new removable drive just like any other drive.
3. Direct Print: Use this function when connected directly to a printer to print your photos.
 - ☐ Single Prints: Press **Left/ Right** to select a picture to print, and then press **Up/Down** to select the number of copies. Now press the **OK/Enter** button to print your picture.
 - ☐ Print All: Press the **OK/Enter** button to print all photos in memory.



NOTE

- Depending on the type of printer used, some of the settings on the camera may not necessarily be in effect when it is connected to the printer.
- Only one copy is produced for each print job. To print more copies, repeat the operation.

Using the Camera

Use this section to learn how to use the camera.

Using the camera LCD display

Use the LCD display to compose your pictures and movies, review pictures and movies stored in memory, and navigate the **Menu** system.

The displayed icons indicate the current configuration.

About the LEDs

The following table describes the camera LEDs:

LED	Color	Definition
Power	Green	Power-on
	Green Blinking	Indicates battery low
Busy	Red	Camera not-ready
Macro	Green	Indicates macro mode
Self-Timer	Red	Indicates self-timer is set.
	Red Blinking	2 seconds left.

Photo mode

Use **Photo** mode to capture pictures.

Using photo mode

1. Press the **Mode** button to enter **Photo** mode.
2. Compose your picture using the LCD screen.
3. Press the **Shutter** button to capture an image.



Self-timer

The self-timer option enables you to add a delay between pressing the **Shutter** button and capturing the picture.

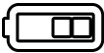
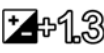








To set the self-timer, press the **Left** button on the **Navigation Pad** (10 seconds).


The timer icon displays on the left edge of the screen.

Icons

The following screen shows **Photo** mode icons and their descriptions.



	Icon	Name	Description
1.		Battery	Displays the current battery status.
2.		EV	Displays the current exposure settings.
3.		Self-timer	Indicates the self-timer status. This icon does not display when the self-timer is off.
4.		Zoom	Indicates the current zoom level.
5.		Photo mode	Indicates the Photo mode is set.
6.		Macro	Indicates Macro mode is active.
7.		White balance	Indicates the current white balance setting.
8.		Quality	Indicates current quality setting.
9.		Resolution	Indicates current resolution setting.
10.		Memory	Indicates if the picture is being saved to either internal or external memory.




11.	0136	Photo number	Indicates the remaining number of photos that can be taken.
12.		Flash	Indicates current flash setting.

Using the flash

Press the **Up** button on the **Navigation Pad** to cycle through the flash settings. The current flash setting is indicated on the LCD. The following table explains the different flash modes.

Flash mode



Icon	Description
	Flash is off.
	Auto flash, the flash fires only in low light conditions.
	Auto flash with red eye reduction. The flash fires in low light conditions and flashes briefly before the photo is taken to reduce the red eye effect.

Using the macro function

You can focus on subjects as close as 15cm in **Macro** mode. When not in macro mode, the minimum distance is 1.5m.

Use **Macro** mode for subjects 15-16cm from the camera.

Macro mode is only available in **Photo** and **Movie** modes.

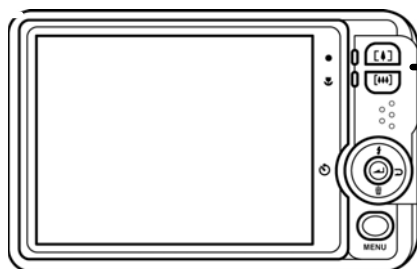
To switch the macro function on, slide the **Macro** mode button towards the flower icon.

Macro mode



Using the zoom function

The camera is equipped with a 16x digital zoom. The zoom function works in Photo mode and in Movie mode.



Zoom In /
Zoom Out

Press the **Zoom Out** button to move away from the subject. Press the **Zoom In** button to bring the subject closer.

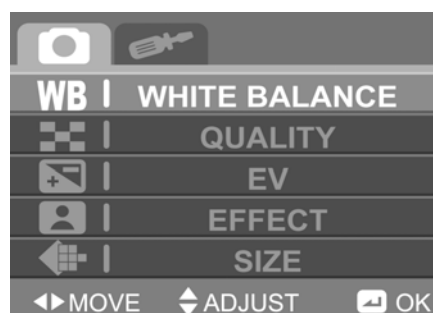
Photo menu

Press the **Menu** button to display the camera Setup screen.

White Balance

Use this option to set the white balance.

1. Press the **Menu** button and then press **Up/Down** on the **Navigation Pad** to highlight the **WHITE BALANCE** option.
2. Now press the **OK/Enter** button to view white balance settings.



- Press **Left/Right** on the **Navigation Pad** to select the desired white balance and press the **OK/Enter** button to confirm white balance settings.

The white balance can be set to **automatic**, **sunny**, **cloudy**, **tungsten** or **fluorescent**.

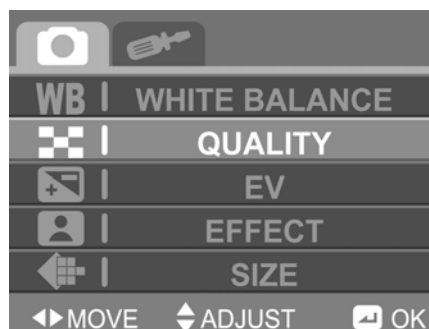
- Press the **Menu** button to exit this screen.

Quality

There are two quality settings for capturing images.

To change the quality setting:

- Press the **Menu** button and then press **Up/Down** on the **Navigation Pad** to select **QUALITY**.
- Now press the **OK/Enter** button to view the quality settings.
- Press **Left/Right** on the **Navigation Pad** to select a quality setting and press the **OK/Enter** button to confirm your quality settings.
Quality can be set to **normal**, or **fine**.
- Press the **Menu** button to exit this screen.



NOTE

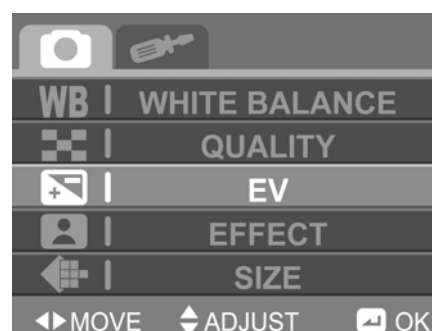
- Fine** quality setting results in more detailed pictures that require more storage space.
- Normal** quality pictures are not as detailed but require less space allowing more pictures on your card.

Exposure Value

Use this option to increase or decrease the exposure of your pictures.

To change the EV setting:

- Press the **Menu** button and then press **Up/Down** on the **Navigation Pad** to select **EV**.
- Press the **OK/Enter** button to view EV settings.
- Press **Left/Right** on the **Navigation Pad** to select an exposure setting between 2.0~2.0 (in 1/3 steps), and then press the **OK/Enter** button to confirm your EV settings.
- Press the **Menu** button to exit this screen.



Effect

Use this option to take shots in varying tones.

1. Press the **Menu** button and then press **Up/Down** on the **Navigation Pad** to select **EFFECT**.
2. Press the **OK/Enter** button to view color settings.
3. Press **Left/Right** on the **Navigation Pad** to select a color setting and then press the **OK/Enter** button to confirm your color setting.

The color setting can be set to color, sepia, or black and white.

4. Press the **Menu** button to exit this screen.



Size

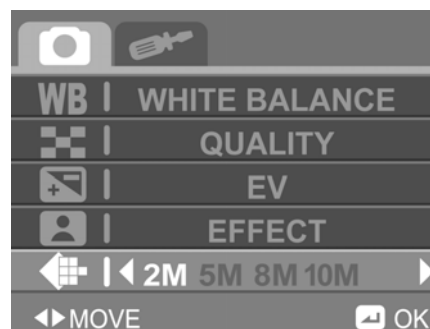
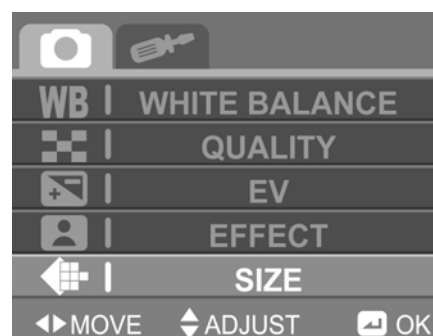
Use this option to change the resolution of your pictures.

To change the size setting:

1. Press the **Menu** button, and then **Up/Down** on the **Navigation Pad** to select **SIZE**.
2. Now press the **OK/Enter** button to view the resolution settings.
3. Press **Left/Right** on the **Navigation Pad** to select the desired image resolution, and then press the **OK/Enter** button to confirm your resolution setting.

The resolution can be set to 2M, 5M, 8M, and 10M

4. Press the **Menu** button to exit this screen.



Possible number of shots (still image)

The frame counter indicates the approximate number of images that can be stored on the internal memory (32MB) and the SD memory card. The number of recordable images may vary depending on the recorded subject, the capacity of the memory card, if there are files other than images or when the recording is made while switching the picture quality or resolution.

Size	Quality	Internal Memory (32MB)	SD memory Card capacity					
			64MB	128MB	256MB	512MB	1GB	2GB
2MP	Fine	53	168	334	710	1291	2799	5551
	Normal	81	266	525	1050	2159	4383	5068
5MP	Fine	23	72	139	291	577	1148	2299
	Normal	36	113	229	465	936	1885	3704
8MP	Fine	14	46	91	190	373	754	1464
	Normal	23	73	148	299	594	1224	2381
10MP	Fine	11	36	70	145	470	644	1135
	Normal	17	56	113	231	459	937	1852

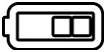



Photo playback

Use photo **Playback** to review and manage your photos.

Photo playback icons

The following screen shows photo **Playback** mode icons and their descriptions.



	Icon	Name	Description
1.		Battery	Indicates current battery status.
2.		Photo Playback	Indicates the camera is set to photo Playback mode.
3.		Photo Lock	Indicates this file is protected and cannot be deleted.
4.		Photo Number	Displays the file number of this photo.

Using photo playback

1. First make sure the camera is in **Photo** mode.
2. Now press the **Playback** button and then press **Left/Right** on the **Navigation Pad** to scroll through the available photos.

The Navigation Pad is a “shortcut” for some functions in Playback mode. Press the Up button on the Navigation Pad to protect the current picture, and the down button to delete the current picture.



Using the Zoom function

Use this function to review images in detail, with up to 20x magnification.

1. Press the **Zoom In** button while reviewing an image to magnify the display.
2. Now use the **Navigation Pad** to slide the display around the enlarged image to centre the desired area to view.
3. The magnification level is displayed on the top left corner of the display.
4. Press the **Zoom Out** button again to reduce the magnification level.



Thumbnail View

Use this function to display up to nine pictures at once to quickly find or review your photos.

1. Press the **Zoom Out** button while reviewing an image in actual size.
2. Use the **Navigation Pad** to highlight a picture, and then press the **OK/Enter** button to view it.



Photo playback menu

Menu options in photo **Playback** mode let you adjust the display, protect a file, delete files, create a slideshow, or mark photos for printing.

The photo playback menu is only available in photo **Playback** mode.

Delete/Delete all Images

Use the **Delete** function to delete single or all files on the current memory media:

1. Turn the camera on and ensure that it is in photo **Playback** mode.
2. Press the **Menu** button, and then press **Up/Down** on the **Navigation Pad** to select **DELETE** and then press the **OK/Enter** button to confirm.
3. Now use **Left/Right** on the **Navigation Pad** to select one of the following, and then press the **OK/Enter** button to confirm:
 - ☐ Cancel delete.



- ☐ Delete single file: press **Up/Down** on the **Navigation Pad** to select which photo you want to delete, and then press **Left/Right** on the **Navigation Pad** to highlight✓ to confirm or **X** to cancel. Press the **OK/Enter** button to confirm your selection.



- ☐ Delete all files: press **Left/Right** on the **Navigation Pad** to highlight✓ to confirm or **X** to cancel, and then press the **OK/Enter** button to confirm



Press the **Menu** button to exit this screen.

Protecting Images

Use the protect option to prevent accidental deletion of a picture file.

To protect a file:

1. Turn the camera on and ensure it is in **Playback** mode.
2. Press the **Menu** button, and then press **Up/Down** on the **Navigation Pad** to highlight **PROTECT**. Now press the **OK/Enter** button to view file protect options.
3. Press **Left/Right** on the **Navigation Pad** to select:
 - ☐ Cancel protect





- Single file protect: press **Up/Down** on the **Navigation Pad** to select which photo you want to protect, and then press **Left/Right** on the **Navigation Pad** to highlight **✓** to confirm or **X** to cancel. Now press the **OK/Enter** button to confirm your selection.



- Protect all files: press OK/Enter button into next menu, press **Left/Right** on the **Navigation Pad** to highlight **X** to cancel, **protect all files**, or **unprotect all files**. Now press the **OK/Enter** button to confirm your selection.



5. Press the **Menu** button to exit this screen.
When a file is protected, it cannot be deleted using the **delete**, or **delete all** function.

Autoplay

Use this option to view a slideshow of pictures.

To use Autoplay:

1. Press the **Menu** button, and then press **Up/Down** on the **Navigation Pad** to highlight **AUTOPLAY**. Now press the **OK/Enter** button to confirm.
2. Press **Left/Right** on the **Navigation Pad** to highlight ✓ and press the **OK/Enter** button to watch the slideshow.
3. Press the **OK/Enter** button to stop the slideshow.



DPOF

Use the DPOF (Digital Print Order Format) function to mark/tag pictures stored in your memory card with printing information. You can mark all photos or individual photos for printing.

DPOF requires a memory card. When all images to be printed are marked, remove the memory card and take it to a photo developer for printing, or use it with a DPOF compatible printer.

To use the DPOF function:

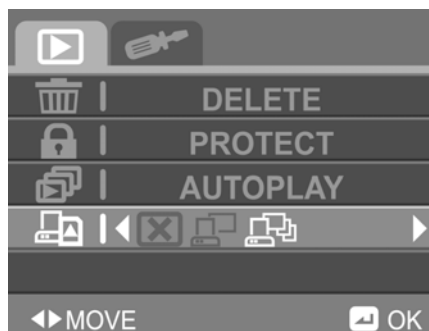
1. Press the **Menu** button
2. Press **Up/Down** on the Navigation Pad to highlight DPOF, and then Press the **OK/Enter** button to confirm.
3. Press **Left/Right** on the **Navigation Pad** to select:
 - ☐ Cancel DPOF



- Mark this photo: press **Up/Down** on the **Navigation Pad** to select and mark which photo you want to print, and then press **Left/Right** on the **Navigation Pad** to highlight ✓ to confirm or X to cancel. Now press the **OK/Enter** button to confirm.



- Mark all photos: press Left/Right on the Navigation Pad to highlight X to cancel, mark all files, or unmark all files, and then press the **OK/Enter** button to confirm.



4. Press the Menu button to exit this screen.

Movie mode

Use the **Movie** screen to record movies.

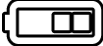



Using movie mode





1. Press the **Mode** button until the **MOVIE** screen displays.
2. Frame your movie using the LCD screen.
3. Press the **Shutter** button to begin recording.
4. Press the **Shutter** button again to stop recording.

Icons

The following screen shows the **Movie** mode icons and their descriptions.



	Icon	Name	Description
1.		Battery	Indicates current battery status.
2.		EV	Displays the current exposure settings.
3.		Movie Mode	Indicates the camera is set to Movie .
4.		Macro Mode	Indicates the camera is set to Macro.

5.		White balance	Indicates the current white balance setting.
6.		Quality	Indicates current quality setting.
7.		Memory	Indicates if the movie file is saved in internal or on a memory card.
8.		Recording Time	Indicates recording time.

Movie menu

Press the **Menu** button to display the movie setup screen.

White Balance

See “White Balance in Photo Menu”.

Quality

See “Quality in Photo Menu”.

Exposure Value

See “Exposure Value in Photo Menu”.

Possible recording time / sec (video clip)

The table below indicates the approximate duration of recording time depending on the capacity of the internal memory and the SD memory card.

Size	Quality	Internal Memory (32MB)	SD memory Card capacity					
			64MB	128MB	256MB	512MB	1GB	2GB
640 X 480 /20 fps	Fine	19"	1'	1'45"	3'45"	7'7"	14'23"	28'47"
	Normal	21"	1'08"	2'15"	4'36"	9'9"	18'29"	30'45"

- The values for the recording time may vary depending on the shooting conditions and settings.
- The frame rate is 30 fps (frames per second).

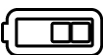



Movie playback

Use movie **Playback** to review and manage your movie clips.

Movie playback icons

The following screen shows the movie **Playback** mode icons and their descriptions.



	Icon	Name	Description
1.		Battery	Indicates current battery status.
2.		Movie Playback	Indicates the camera is set to movie Playback mode.
3.		Movie Number	Displays the file number of this movie clip.
4.		Volume	Indicates the current playback volume level.

Using movie playback

1. Ensure the camera is in **Movie** mode, and then press the **Playback** button.
2. Now press **Left/Right** on the **Navigation Pad** to scroll through the available movie clips.
3. Press the **OK/Enter** button to start and stop playing your movie files.

The movie **playback** menu is only available in movie **Playback** mode.

Press the **Right** button on the **Navigation Pad** to pause playback, and then press again to continue.



Movie playback menu

Menu options in movie **playback** mode let you adjust the display, and protect or delete file(s).

Delete/Delete All Movies

See “Delete/Delete All Images in Photo Menu”

Protecting Movie Files

See “Protecting Image Files in Photo Menu”.

Voice mode

Use the Voice screen to record short clips of audio with the built-in microphone.

Using voice mode

1. Press the **Mode** button twice to display the **RECORDER** screen.
2. Press the **OK/Enter** button to begin recording.
3. Press the **OK/Enter** button again to stop recording.

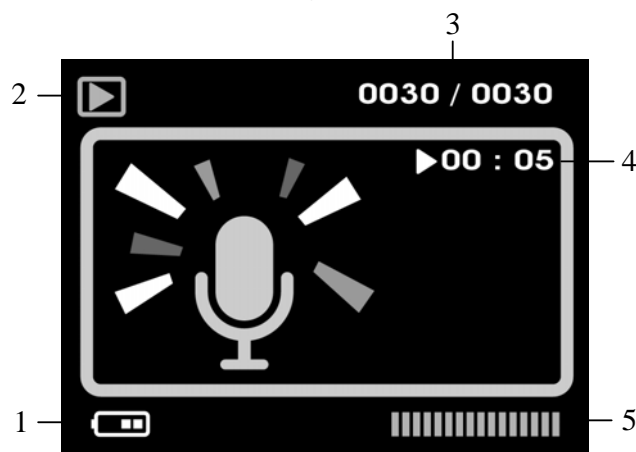


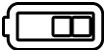

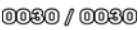
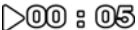

Voice playback

Use voice **Playback** to review and manage your audio clips.

Voice playback icons

The following screen shows the voice **Playback** mode icons and their descriptions.



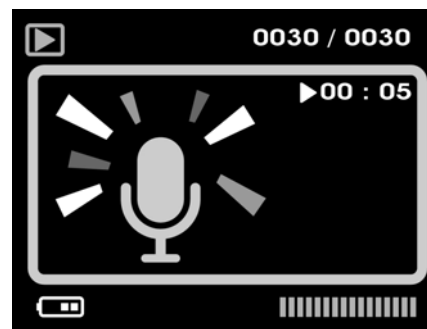
	Icon	Name	Description
1.		Battery	Indicates current battery status.
2.		Voice Playback	Indicates voice Playback mode.
3.		Audio Clip Number	Displays the file number of this audio clip.
4.		Time Elapsed	Displays the time elapsed since starting playback.
5.		Volume	Indicates the current playback volume level.

Using voice playback

1. Ensure the camera is in **Voice** mode, and then press the **Playback** button. Now press **Left/Right** on the **Navigation Pad** to scroll through the available audio recordings.
2. Press the **OK/Enter** button to start and stop playing audio files.

The voice **playback** menu is only available in voice **Playback** mode.

Press the **Right** button on the **Navigation Pad** to pause playback, and then press again to continue.



Voice Playback Menu

Menu options in voice playback mode let you delete or protect files.

Delete/Delete All Audio Files

See "Delete/Delete All Images in Photo Menu"

Protecting Audio Files

See "Protecting Image Files in Photo Menu".

Configuring your camera

Camera Setup

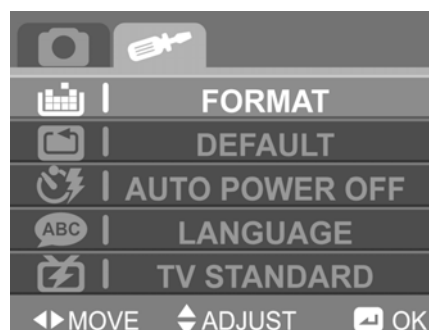
Use the **Setup** screen to change the camera configuration to suit your personal preference. Press the **Menu** button and then press **Left/Right** on the **Navigation Pad** to view the **Setup** screen. The **Setup** screen is available in **photo** mode, **movie** mode, photo **playback**, movie **playback**, and voice **playback**.

Format

Use the format option to format the memory card or internal memory.

To use the format option:

1. Press the **Menu** button and then press **Left/Right** on the **Navigation Pad** to view the **SETUP** screen.
2. Press **Up/Down** on the **Navigation Pad** to highlight **FORMAT**, and then press the **OK/Enter** button to confirm.
3. Press **Left/Right** on the **Navigation Pad** to highlight \checkmark to confirm format, or **X** to cancel, and then press the **OK/Enter** button. The current media is formatted.
4. Press the **Menu** button to exit this screen.



NOTE

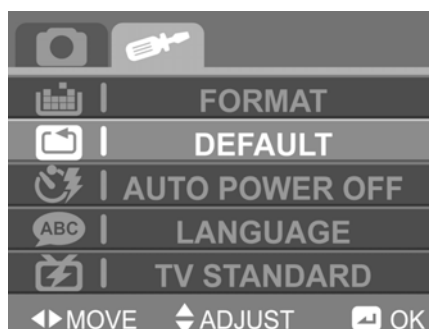
- When you format memory, all data is erased. Make sure your files are saved on a PC before formatting.

Default

Use the default option to reset all settings to the factory default.

To use the default option:

1. Press the **Menu** button and then press **Left/Right** on the **Navigation Pad** to view the **SETUP** screen.
2. Press **Up/Down** on the **Navigation Pad** to select **DEFAULT**, and then press the **OK/Enter** button to confirm.



3. Press **Left/Right** on the **Navigation Pad** to highlight \checkmark to confirm format, or **X** to cancel
4. Press the **OK/Enter** button to confirm and revert all settings to their factory defaults.
5. Press the **Menu** button to exit this screen.

Auto Power Off

Use the power saving function to turn the camera off after a period of inactivity.

To set the power saving function:

1. Press the **Menu** button and then press **Left/Right** on the **Navigation Pad** to view the **SETUP** screen.
2. Press **Up/Down** on the **Navigation Pad** to highlight **AUTO POWER OFF**, and then press the **OK/Enter** button to view timeout settings.
3. Press **Left/Right** on the **Navigation Pad** to highlight **X** to cancel, **1** minute, or **3** minutes. Now press the **OK/Enter** button to set the timeout.
4. Press the **Menu** button to exit this screen.

Setting the language

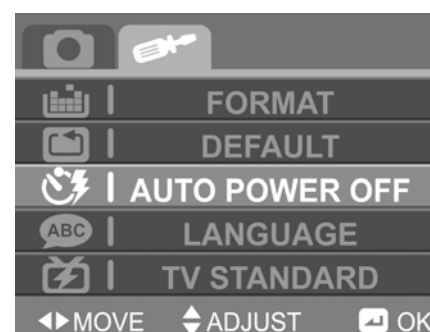
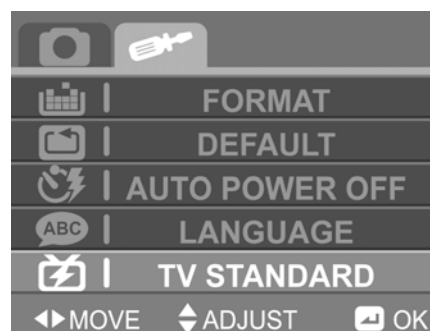
See “System requirements”.

TV Standard

Use the TV option to set camera TV output to match the TV system in your area. See “Connection to a TV”.

To set the TV mode:

1. Press the **Menu** button and then press **Left/Right** on the **Navigation Pad** to view the **SETUP** screen.
2. Press **Up/Down** on the **Navigation Pad** to highlight **TV STANDARD**. Press the **OK/Enter** button to view TV standard settings.
3. Press **Left/Right** on the **Navigation Pad** to highlight **NTSC** or **PAL** according to your television requirements.
4. Press the **OK/Enter** button to set the TV standard.
5. Press the **Menu** button to exit this screen.



Frequency

Use the light frequency setting to prevent the LCD from flickering caused by the local power supply's frequency

To set the frequency:

1. Press the **Menu** button and then press **Left/Right** on the **Navigation Pad** to view the **SETUP** screen.
2. Press **Up/Down** on the **Navigation Pad** to select **FREQUENCY**. Press the **OK/Enter** button to view the frequency settings.
3. Press **Left/Right** on the **Navigation Pad** to select either **50Hz** or **60Hz**.
4. Press the **OK/Enter** button to save your frequency settings.
5. Press the **Menu** button to exit this screen.



Setting the date and time

See "Setting the date and time".

System requirements

The camera requires a host PC with the following specifications:

- ☐ Windows® Vista, XP, 2000, ME, 98SE operating system
- ☐ Intel® Pentium III 500 MHz CPU or better
- ☐ At least 256 MB of RAM or higher
- ☐ Standard USB 1.1 port or better
- ☐ 4 x speed CD-ROM drive or higher
- ☐ At least 200 MB of available disk space



NOTE

- A USB 1.1 port will enable you to transfer files to and from your host PC, but transfer speeds will be much faster with a USB 2.0 port.

Installing software and drivers

Read this section to learn how to install drivers and software for the camera.

Drivers

You can use the “Mass Storage” functions of the camera on the PC.

Mass Storage

The digital camera offers Mass Storage function via the built-in card reader. You can treat this digital camera as a USB device

You will only need to install a driver for the camera if your operating system is Windows 98SE. Windows XP/ME/2000/Vista plug and play operating systems do not require a driver to be manually loaded.

When the driver has been installed and the camera is connected, the camera memory and any inserted SD card displays as Mass Storage in Windows Explorer. Files can be dragged and dropped in the same way as with an ordinary disk.

Web camera

You will need to install a driver for the camera to use as a PC or Web Camera in all Windows operating systems (Windows XP/ME/2000/98SE).



NOTE

Driver installation is required for all operating systems.

The digital camera can be used as a Web camera.

Follow the instructions below:

Insert the supplied CD-ROM in the CD-ROM driver.

1. If the CD-ROM doesn't automatically boot, use Windows Explorer to execute the InstallMgr.exe file in the root directory.
2. Click the install button to install the driver.
3. Follow the on-screen instructions.
4. Click Finish to restart the computer and finish the camera driver installation.

Bundled Software

Presto! Video Works 6

Presto! Video Works 6 is an advanced software application for editing video.

To install Presto! Video Works 6:

1. Insert the supplied CD-ROM in the CD-ROM drive.

2. If the CD-ROM doesn't automatically boot, use Windows Explorer to execute the **InstallMgr.exe** file in the root directory.
3. Click the **Install** button to begin the installation and process follow the instructions on-screen.

More information about Presto! Video Works 6 can be found in the help files when the application is started.

Presto! Mr. Photo 3

Presto! Mr. Photo 3 is an advanced photo editing software application.

To install Presto! Mr. Photo 3:

1. Insert the supplied CD-ROM in the CD-ROM drive.
2. If the CD-ROM doesn't automatically boot, use Windows Explorer to execute the **InstallMgr.exe** file in the root directory.
3. Click **Install** to begin the installation process and follow the instructions on-screen.

More information about Presto! Mr. Photo 3 can be found in the help files when the application is started.

Appendix

Specifications

Item	Description
Imaging sensor	1/2.5" CMOS 5.0 mega pixel sensor
Active pixels	5.0 mega pixels
Lens	F/3.1, f=7.5mm Fixed Focus Lens
Focus range	Normal: 1.5m ~ Infinity Macro: 15cm ~ 16cm
Image resolution	Formats: JPEG (DCF, DPOF, EXIF), Direct Print Resolution: 2M, 5M, 8M, 10M (firmware interpolation) Quality: Fine, Normal
Video resolution	AVI (Motion JPEG), Sound Available 640 x 480 pixels, 20 fps. (Max.) Quality: Fine, Normal

Item	Description
Zoom	16x Digital Zoom
LCD screen	3.0" LTPS High resolution, (960 x 240 pixels)
Flash	Range: 1.0 ~ 1.5m Off/Auto/Auto+Red Eye Reduction
Storage media	Built-in 32MB Flash memory, SD card (Up to 2GB) (Recommended brand: Panasonic and Transcend)
White Balance	Auto/Cloudy/Sunny/Tungsten/Fluorescent
EV Compensation	-2.0EV ~ +2.0EV (In 1/3EV steps)
Self-Timer	Off/10 sec
PC Interface	Camera: USB 2.0 (high speed) Web Camera: USB 2.0 (high speed)
TV Out Format	NTSC, PAL
Shutter	Electronic Shutter, 1/4 ~ 1/1000 seconds
Auto Power Off	1 min, 3 mins, Off
Power Supply	2x "AA" Alkaline Batteries
Dimensions	92(W) x 61(H) x 24(D) mm
Weight	<115g (without batteries)

Troubleshooting

Symptom	Cause	Solution
The power does not come on.	The batteries are not loaded.	Load the batteries correctly.
	The batteries are exhausted.	Replace with a new set of batteries.
The power cuts out during use.	The camera was left unattended and unused, so the auto powers off cuts it off.	Turn the power back on.
	The batteries are exhausted.	Replace with a new set of batteries.
The batteries run out quickly.	It is being used in extreme low temperature.	Don't use this camera under extreme low temperature.
	Many shots are being captured in dark places inside, requiring flash.	Prepare extra batteries if you need take a lot of images with flash.
The batteries or camera feels warm.	Long period of continuous use of the camera or the flash.	Turn off the camera if you don't use it.

Symptom	Cause	Solution
Even if I press the shutter button, the camera does not shoot.	The batteries are running low.	Replace with a new set of batteries.
	The power is not on.	Turn the power on.
	The camera is not in Photo mode.	Refer to "Changing mode".
	The internal memory or memory card does not have any free capacity.	Insert a new memory card, or delete unwanted files.
	End of memory card life.	Insert a new memory card.

Symptom	Cause	Solution
	The flash is recharging.	Wait until the status LED is off.
	The memory card is unrecognized by the camera.	Format the memory card in this camera before its first use or when it was used other than this camera.
	The auto power off function is activated.	Turn the power on again.
	The memory card is write-protected.	Remove the write-protection.
Images do not appear on the LCD monitor.	The power is not on.	Turn the power on.
	The lens cover is not open.	Open the lens cover.
The flash does not fire. The flash cannot recharge.	The flash is set to off.	In Photo mode, press Up to cycle the flash mode.
The image is too dark.	The image was captured in a dark place while set to no flash.	Set the flash to something other than flash off mode.

Playback

Symptom	Cause	Solution
Cannot playback.	It is not set to playback mode.	Refer to "Changing mode".
The contents of memory card cannot be replayed.	You played back a memory card that was not formatted by this device.	Insert a memory card that was formatted and stored on by this device.

Files cannot be deleted.	You played back a memory card that was not formatted by this device.	Load a card that was formatted and stored on by this device.
Cannot format a memory card.	The memory card is write-protected.	Remove the write-protection.
	End of memory card life.	Load a new memory card.

Other Problems

Symptom	Cause	Solution
Cannot load the memory card.	The card is facing the wrong way.	Insert correctly.
Even when the camera's buttons are pressed, it does not operate.	The battery is running low.	Replace with a new set of batteries.

About connecting to your computer/software

Symptom	Cause	Measure
Cannot download images.	The free space on the hard disk in your computer may be insufficient.	Check whether the hard disk has a space for running Windows, and if the drive for loading image files has a capacity at least that of the memory card inserted in the camera.
	The USB driver is not installed (for Windows 98/98SE).	Install USB driver.